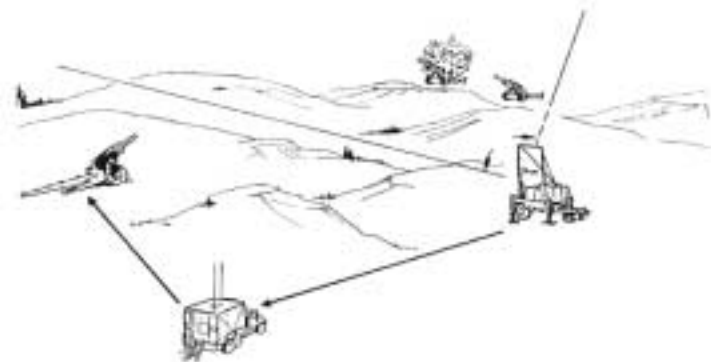


# Firefinder (AN/TPQ-36 (V)8)



**MISSION**

Locate the firing position of hostile mortars, artillery, and rockets automatically.

**DESCRIPTION AND SPECIFICATIONS**

AN/TPQ-36 (V)8 Firefinder Radar, electronics upgrade (EU), replaces the existing shelter that was fielded in the early 1980s and utilizes the same antenna. This materiel change greatly improves the operations central shelter through the installation of state-of-the-art electronics, including common hardware systems in the lightweight multipurpose shelter (LMS). EU increases mortar detection range and target throughput and greatly improves the operator environment.

EU is an open systems architecture design and will enable Firefinder to communicate on the digitized battlefield. EU will also incorporate dual environmental control units and a gas particulate filter unit for greater survivability and soldier comfort. Major subsystems of EU include an operator control station, a control display terminal, and a radar processor. The control station is the man-machine interface and is a modern Windows-type display. Using the display terminal, the operator will be able to control system operations from a site up to 100 meters from an LMS. The radar processor performs all system signal processing functions, maximizing performance with over a 90% probability of weapon locations and a 90% correct target classification.

EU and new LMS will enhance the man-machine interfaces and electronics environment by providing over 50% more interior space and improved environmental control. EU will reduce life-cycle costs, prevent obsolescence, and enhance crew survivability.

**FOREIGN COUNTERPART**

European Consortium-Sponsored EuroArt Cobra; Sweden: Arthur System; Russia: Zoopark; China: BL904.

**FOREIGN MILITARY SALES**

AN/TPQ-36 (V)8: Turkey: 4 systems in production; Portugal: 2 systems in production.

**PROGRAM STATUS**

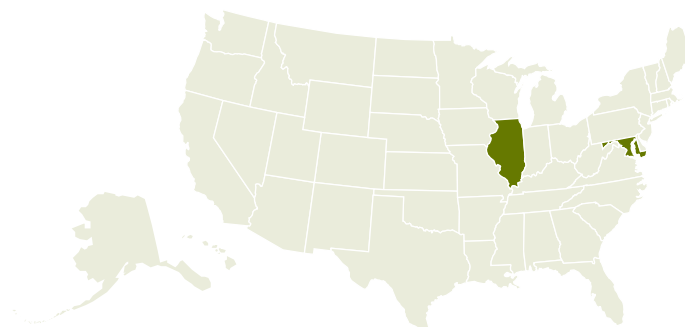
- **4QFY96** Awarded initial production contract. A total of 44 systems have been delivered: 22 for the U.S. Army and 22 for the United States Marine Corps (USMC).
- **FY99** Commenced fielding to Army and USMC units; currently ongoing.
- **4QFY99** Awarded follow-on production contract for additional U.S. and foreign military sales systems.
- **Current** Continue fieldings.

**PROJECTED ACTIVITIES**

- **FY01–04** Procure additional systems.
- **FY02–05** Complete fielding.

**PRIME CONTRACTORS**

Northrop Grumman (Rolling Meadows, IL; Baltimore, MD)



\* See appendix for list of subcontractors

